

Figure 1
Biocular EPE

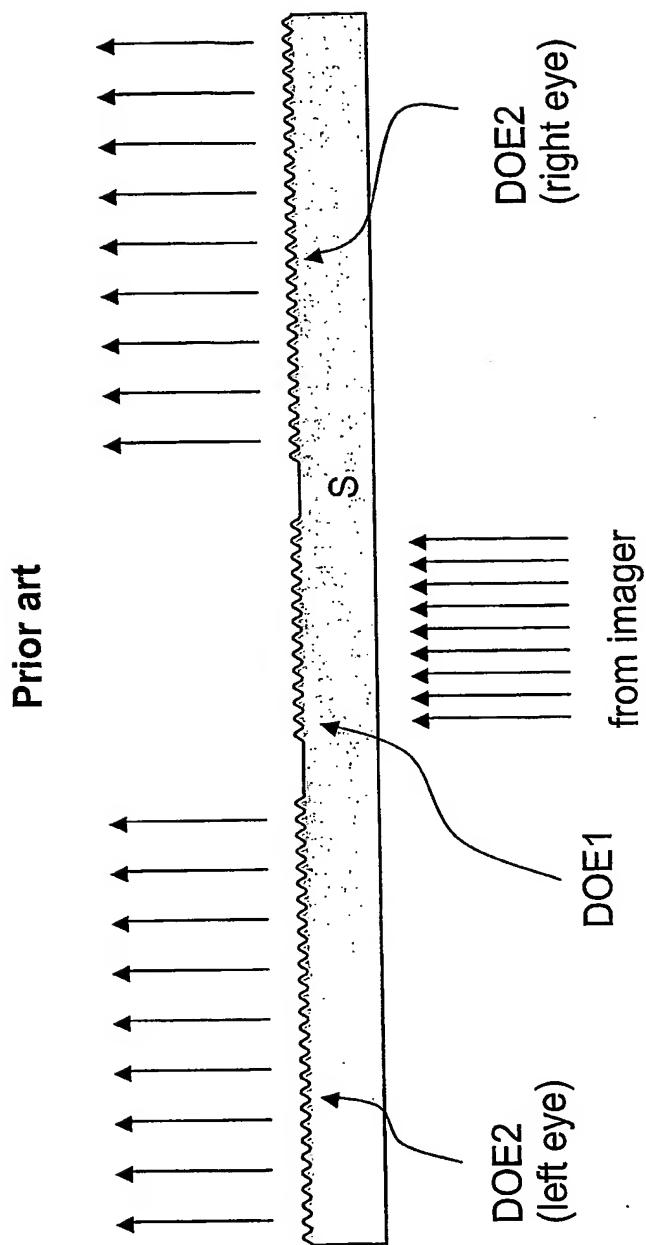
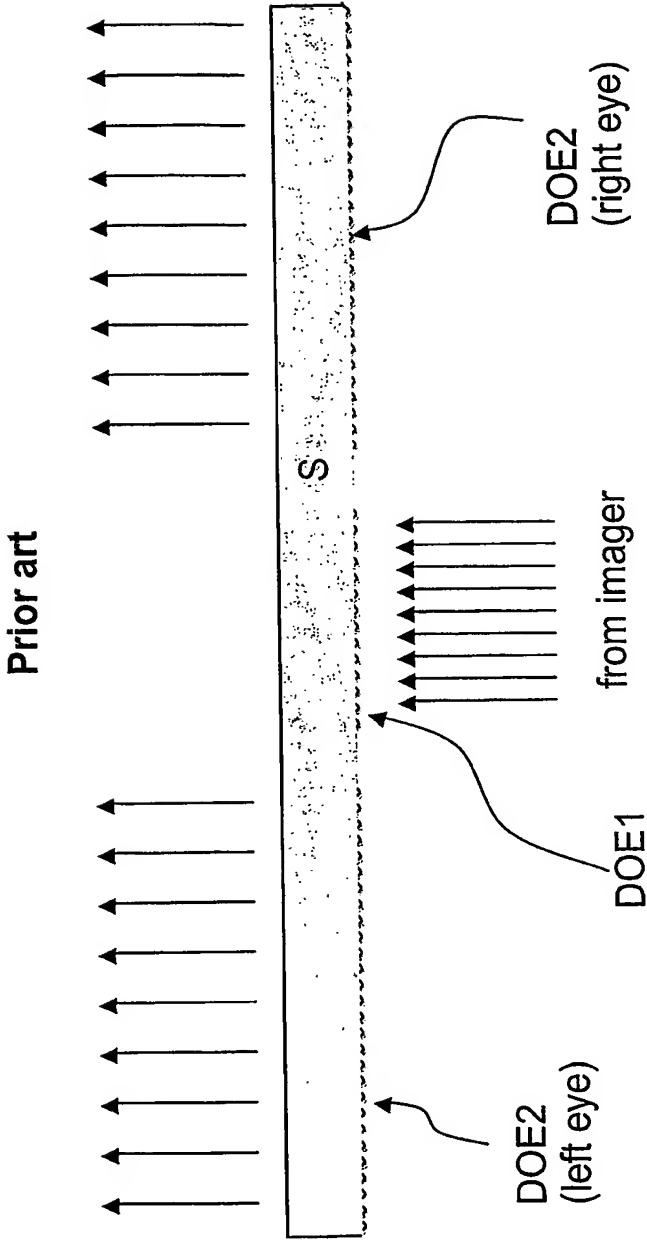


Figure 2
Biocular EPE



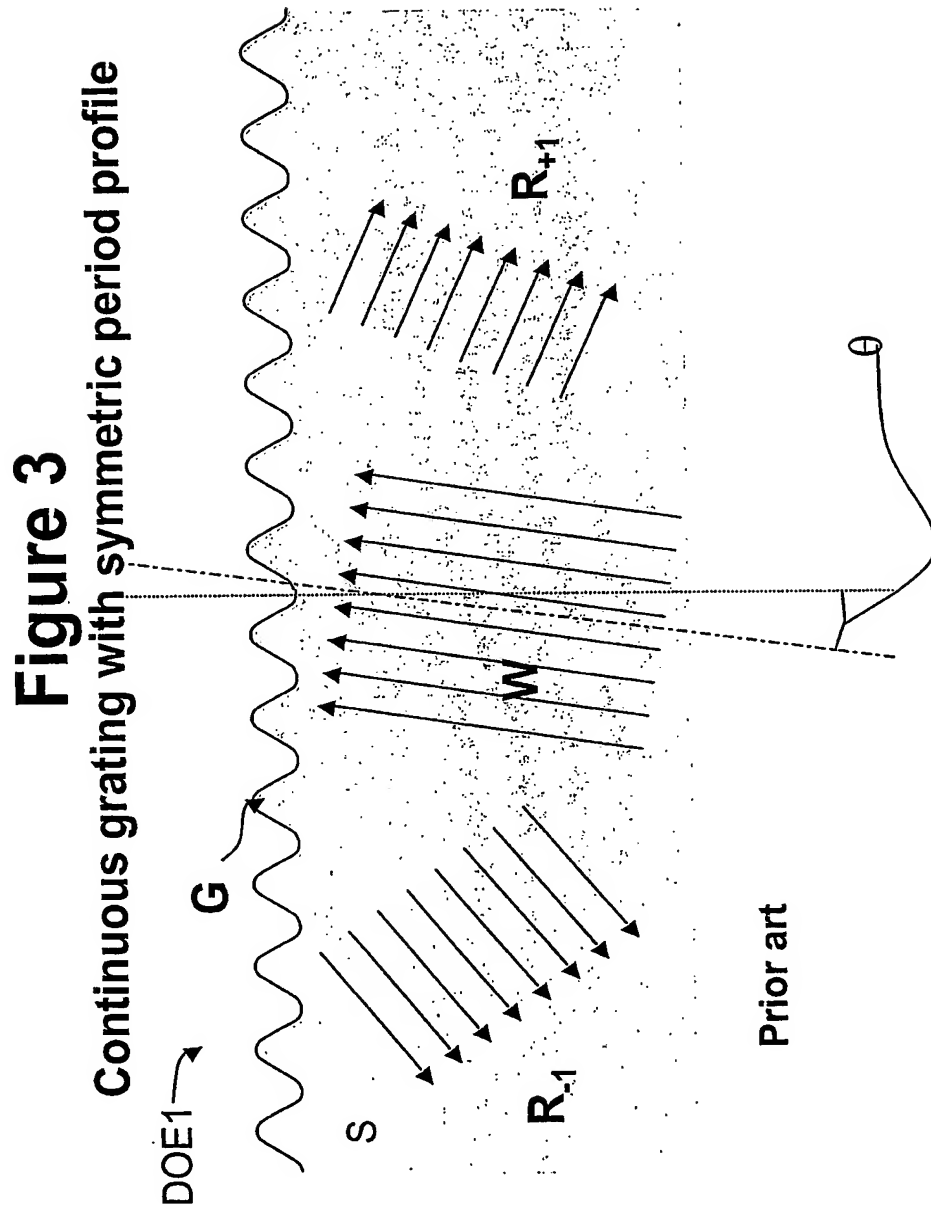


Figure 4

Angular dependency

$$\text{Profile} = A \cdot \sin(2\pi x/d)$$

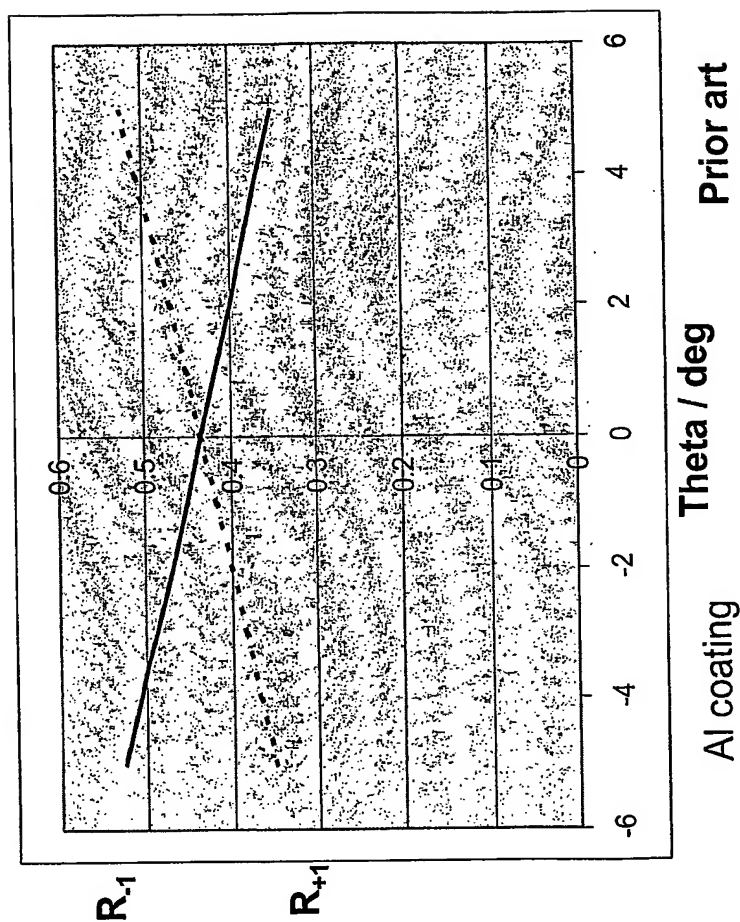
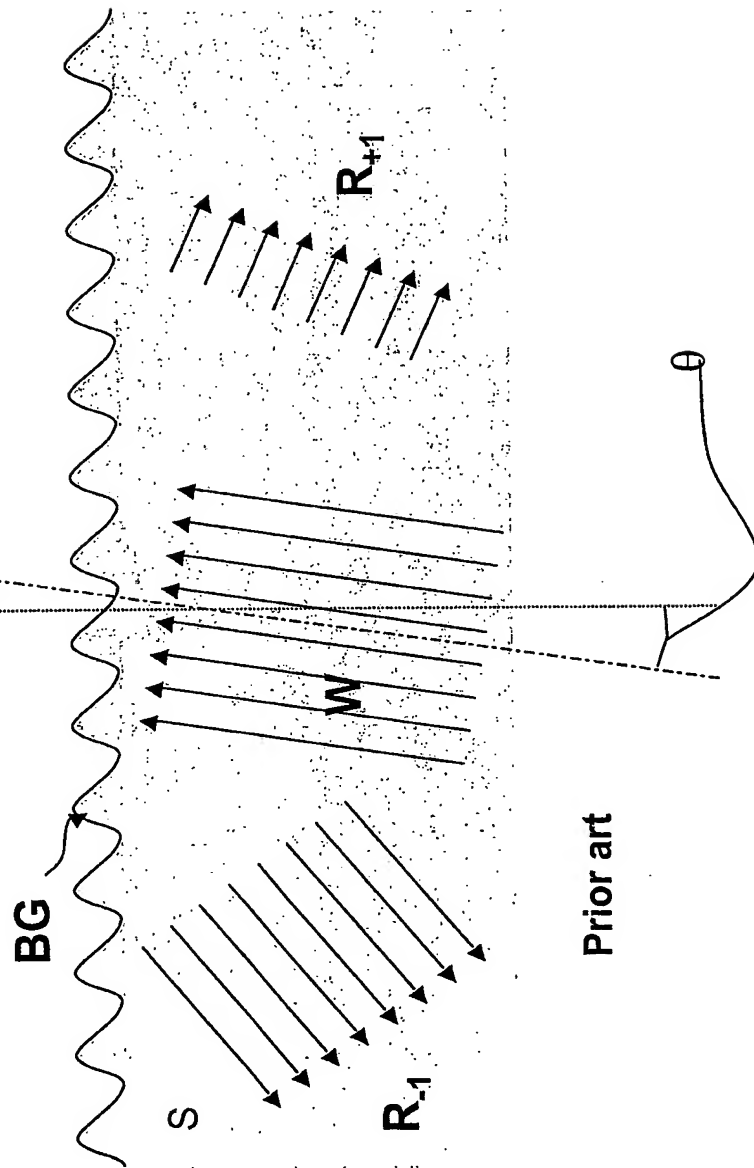


Figure 5
Continuous grating with asymmetric period profile



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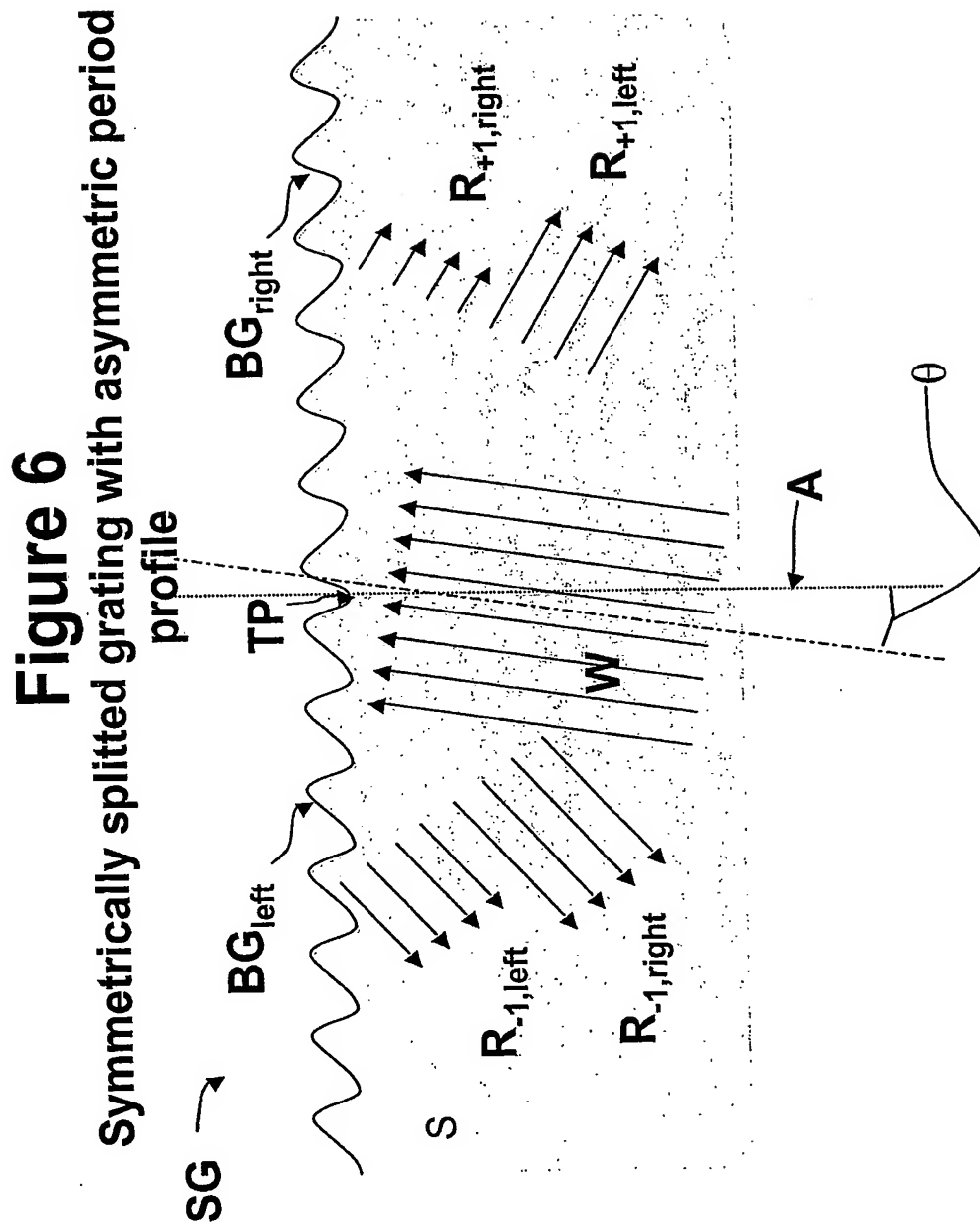


Figure 7
Symmetrically splitted grating with beam shift

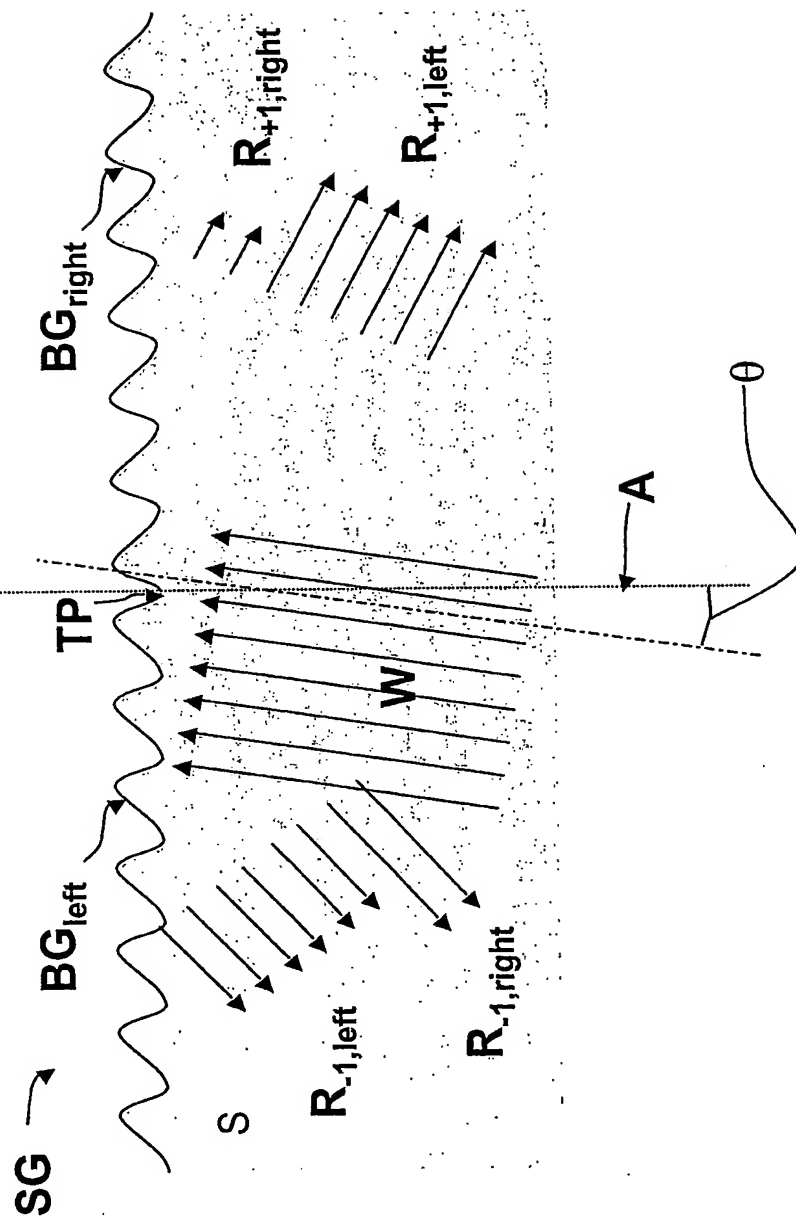
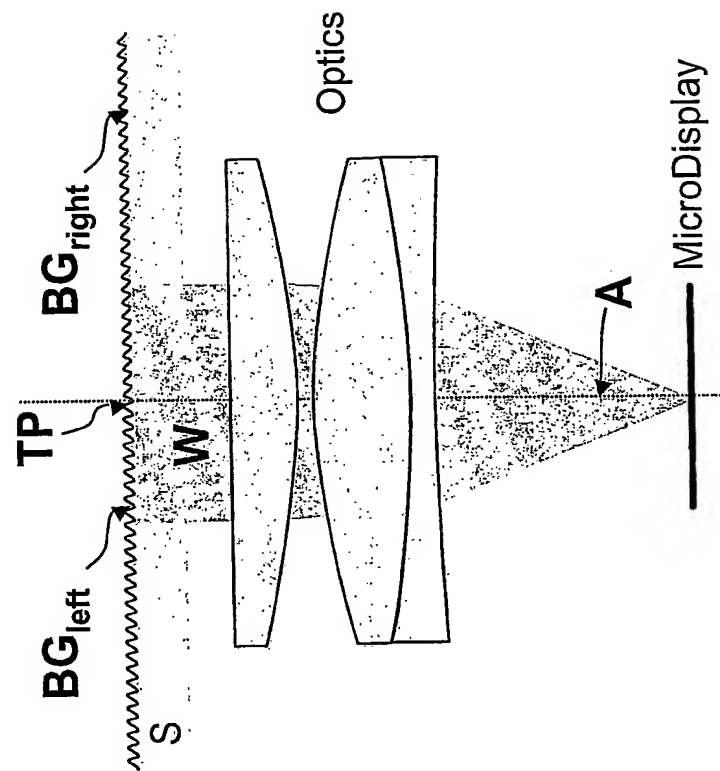
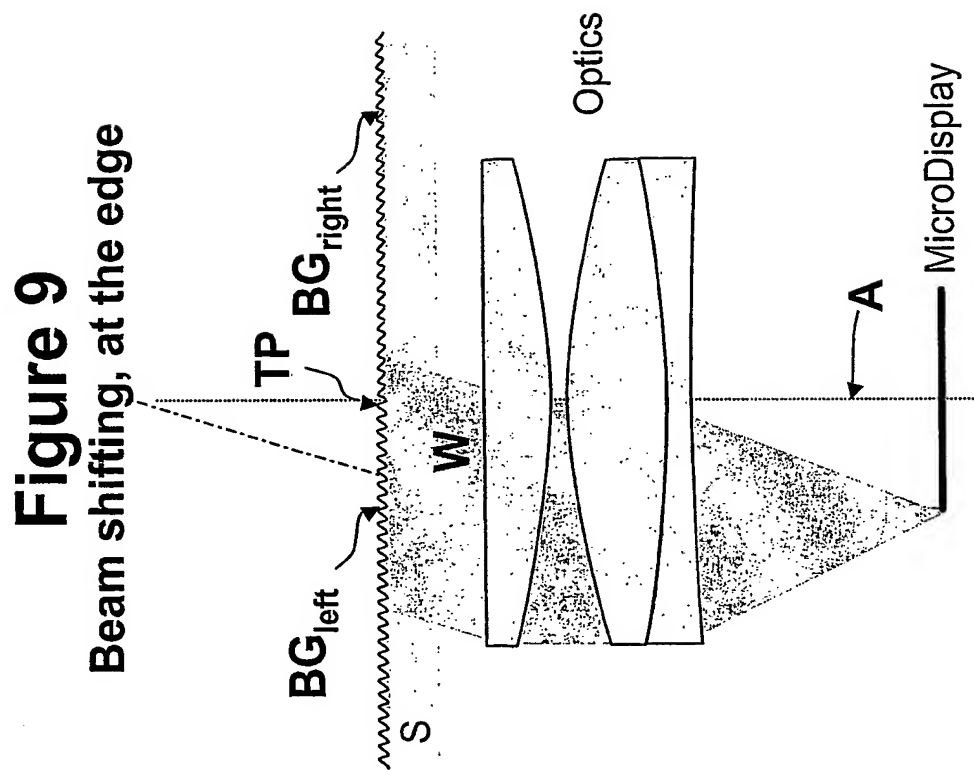


Figure 8
Beam shifting, center

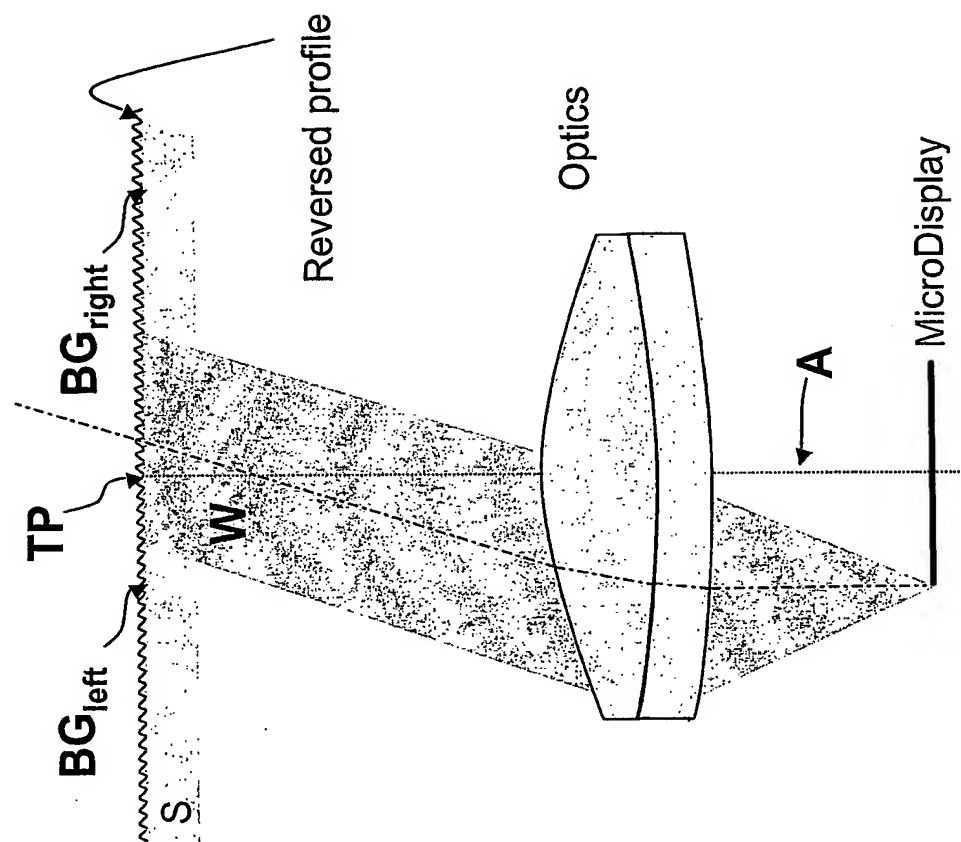


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Figure 10
Beam shifting,
alternative setup

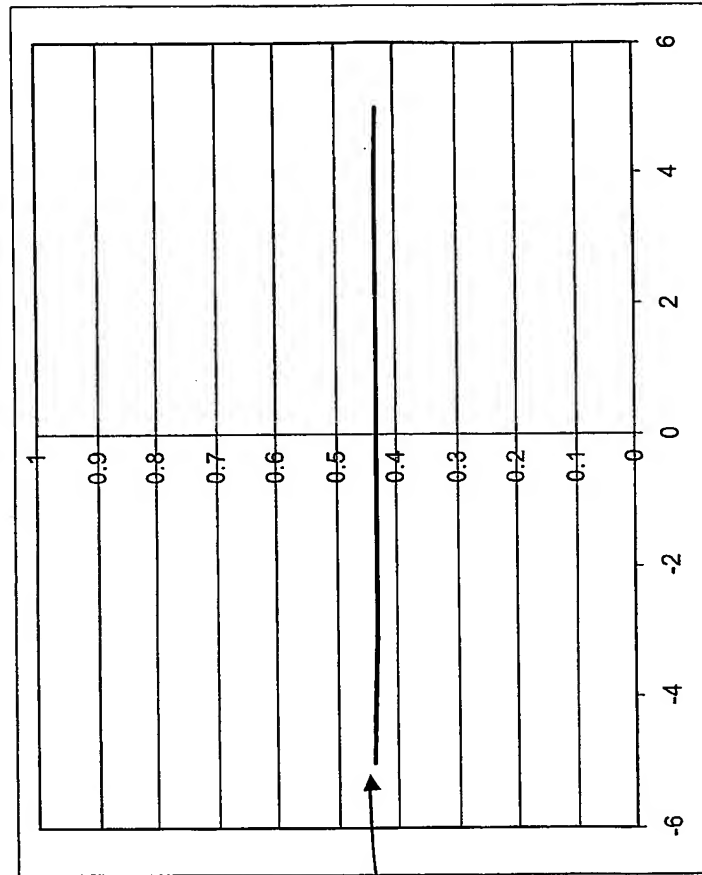


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Figure 11

Compensation of Angular dependence

$$\text{Profile} = A [\sin(2\pi x/d) + 0.25\sin(4\pi x/d) + 0.05\sin(6\pi x/d)]$$



$$\eta = (0.5 - k\theta)R_{+1}(-\theta) + (0.5 + k\theta)R_{-1}(\theta)$$

Al coating

Recirculation: Bragg reflection (R_2) from very deep profile grating

Coupling Efficiency as a function of grating depth

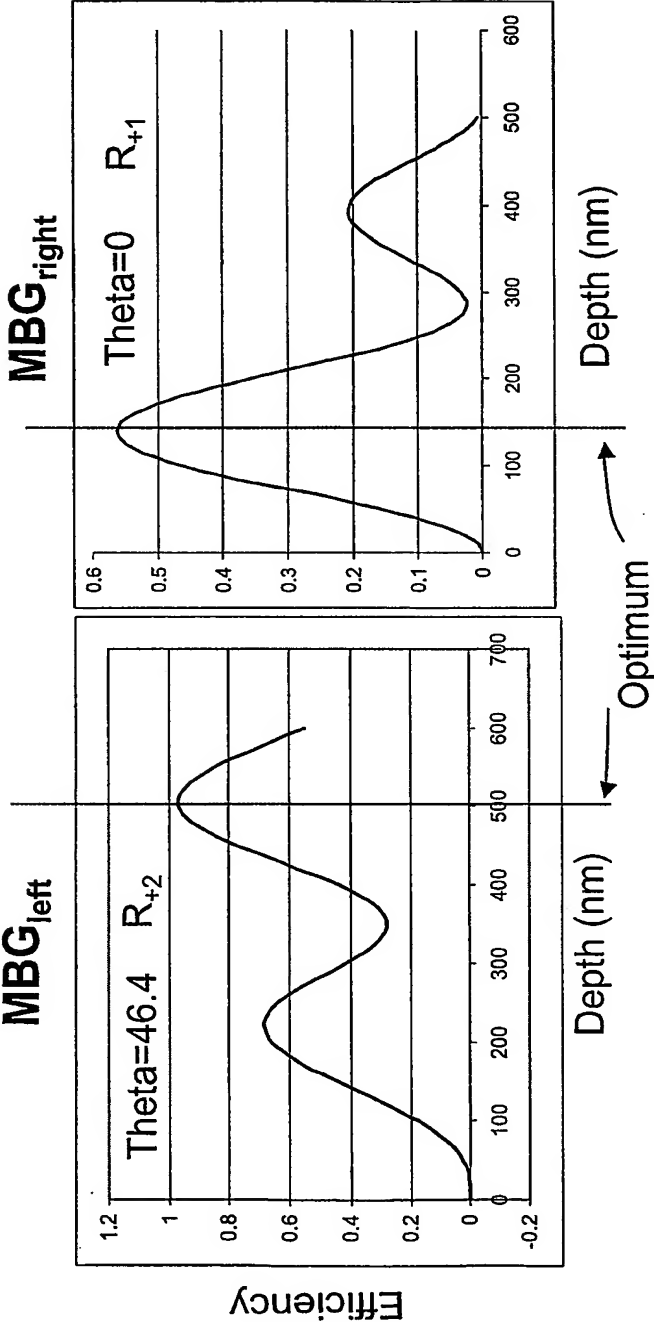


Figure 13a

Figure 13b